Collider-Accelerator Department Energized Circuit Work Permit

Permit for Working "On or Near" Energized Components

FOR SUB-RANGE C

	Current > 10ma and AC Voltage from 50V to 600V rms									
á	and C-A OPM 1.5. This permit applies to all pe	ersonne	al systems in accordance with ES&H Standard 1.5.0. If who work at the C-A Complex. Qualified Plant Engineering's Energized Circuit Work Permit system.							
	on/Circuit:CA complex – Generic Permit m Description:	CA	CA Group:							
Descr Testin	iption of task: Verification of voltage being de- og or Diagnosing of 50 – 600 volt rms ac circuit es are measured to ground. No terminal to terminal	s								
	cation: cation that equipment is de-energized after app	lying L	ото							
Start Date and Time: FEBRUARY 28, 2004			Estimated Finish Date and Time: FEBRUARY 28, 2005							
1	Electrical massive ground, live terminals	1	Mechanical conditions							
\	Environmental conditions	1	Working space constraints							
1	Obstructions in area	√	Other energized circuits/parts							
Electr High o	ibe Hazards: (See ES&H Standard 1.5.0, Appendix III ical shock, Blast, Flash currents can create high temperatures, and me MAN RULE APPLIES.									
	Proce	dures o	f Task							
Proce	dure: Refer to C-A-OPM-ATT 1.5.d									
Warni	ngs Specified: Follow NFPA 70E or local posti	ngs	*							
Cleara	ance Zones: Follow NFPA 70E or local posting	S								
Perso	nnel Protective Equipment: Follow NFPA 70E	or Loca	l Postings							
	val to proceed: In Somblew ure of Department Chair/Division Head or Formal Designe	Date:	3/22/04							
	REQUIRED FOR CIRCUITS ABO	VE 600	Vac OR 6000 Vdc TO GROUND:							
Indepe (Signate	endent Reviewer(s): Not applicable to thi	s perm	it							

Collider-Accelerator Department

Authorized Employee	Life Number	Employee Signature (indicating employee understands procedure, hazards, and precautions)			

Supervisor:	Date:				
Supervisor acknowledges the above personnel are	e properly trained, knowledgeable,	and experienced	to work under this	permit.	

PRECAUTIONS

- Be Alert
- Provide adequate illumination
- Remove conductive apparel
- Follow requirements of NFPA 70E for Approach Boundaries, Risk Assessment and PPE

Copies of completed form are to be sent to the Department ES&H Coordinator. The person doing the job must have a copy of this signed permit at the work area.

Safety Information for Verification Of De-Energization Of Circuits For Sub-range C

1. Identify and locate:

Power sources and shutoff devices Emergency telephones

2. Establish work area:

Notify affected personnel Cordon off work area Worker shall carry or post Permit

- 3. Remove conductive apparel
- 4. Review NFPA 70E or local postings for proper personal protective clothing
- 5. Wear safety glasses
- 6. Measurement technique:

Ground one terminal of tester Measure to ground Use one hand at a time

- 7. De-energize all sources and stored energy devices
- 8. Lock-out and Tag-out all sources of energy to be verified.
- 9. Use "WIGGY" or similar tester to verify
- 10. Stop work and report to supervisor in any warning conditions exist
- 11. STOP if terminal cannot be reached or is not in sight